

Rail manufacturing expertise and technology



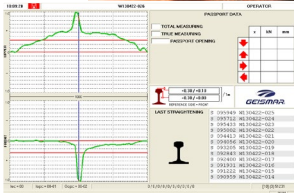
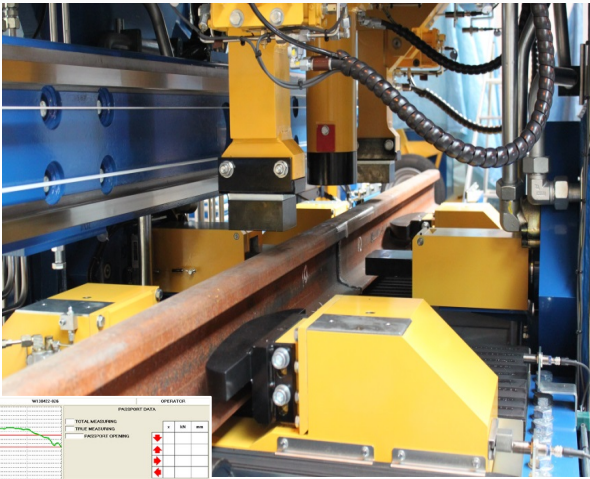
Quality and accurate rail straightness

Comply to EN 14587-1 standard

Optimal integration in the rail manufacturing line

Your benefits

- Sturdy and powerful machine which guarantee an accurate straightening
- Mobile carriage for precise positioning of the machine in the weld axis
- Straightness quality complying with EN 14587-1 standard
- Minimizing operational costs thanks to fully automatic process (option)



Technological advantages

- A vertical and horizontal contactless measuring system
- Computerized control with a real-time display of straightening parameters
- Before and after measurement the results can be archived in the computer
- A calibration rule is delivered with the machine in order to control periodically the metrology of the measuring device
- Mobile carriage for precise positioning of the machine in the weld axis
- Straightening of rails, up to 75kg/m, without tilting unit and at the high rate of welding plant machines

Options

- Installation of the press in a container adapted to the operation of the machine and its transport
- Supply of extra anvil-blocks and hammers to operate on other rail types
- Replacement of original anvil-blocks by our specific railhead-rail base tools
- Specific rail ends straightening configuration for rolling mills
- Configuring a Siemens or Allen Bradley PLC
- The PHRML 250/120-15 can be coupled with the MAS 150 grinding machine to operate as a finishing center
- Fully automatic process

Specifications

Types of rails

Type	Flat bottom
Linear mass	Up to 75 kg/m

Straightening performances

Vertical force	2,500 kN (250 t)
Horizontal force	1,200 kN (120 t)

Measuring performances

Number of laser probes	3
Measuring length	Up to 3.2 ft (1.5 m)

Electrical equipment

Total power	51 hp (38 kW)
PLC	Schneider

Dimensions (approximate)

L x W x H	170 x 83 x 99 in (4,300 x 2,100 x 2,500 mm)
Mass	39,683 lbs (18,000 kg)



Example of PHRML in a container